

Title (en)

Electromechanical gearshift device for transmissions in motor vehicles

Title (de)

Elektromechanische Schaltvorrichtung für Wechselgetriebe von Kraftfahrzeugen

Title (fr)

Dispositif de commande électro-mécanique pour boîtes de vitesses de véhicules

Publication

EP 0819870 B1 20000830 (DE)

Application

EP 97109823 A 19970617

Priority

DE 19628642 A 19960716

Abstract (en)

[origin: EP0819870A1] The electromechanical switching device has a gear-changing element (6), displaced linearly by an electromagnet (8) and rotated by an electric motor (1), via a rotatable operating shaft (3). The latter has a conical screw thread (4) fitted with a threaded sliding sleeve (5), cooperating with an electromagnetically operated pre-selection element (10), for displacing the sleeve between different axial positions in dependence on the required gear change.

IPC 1-7

F16H 61/32; **F16H 63/30**

IPC 8 full level

F16H 61/32 (2006.01); **F16H 63/30** (2006.01)

CPC (source: EP US)

F16H 61/32 (2013.01 - EP US); **Y10T 74/19251** (2015.01 - EP US); **Y10T 74/2003** (2015.01 - EP US); **Y10T 74/2063** (2015.01 - EP US)

Cited by

CN102575765A; WO2008000600A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0819870 A1 19980121; **EP 0819870 B1 20000830**; DE 19628642 A1 19980122; DE 19628642 C2 19980910; DE 59702275 D1 20001005; US 6065363 A 20000523

DOCDB simple family (application)

EP 97109823 A 19970617; DE 19628642 A 19960716; DE 59702275 T 19970617; US 88854597 A 19970707